

- 1 1. A method comprising:
2 obtaining a pre-formatted frame; and
3 filling the frame with voice data formatted as
4 asynchronous transfer mode adaptation layer packets.
- 1 2. The method of claim 1 including obtaining a pre-
2 formatted frame from a database of frames.
- 1 3. The method of claim 2 including receiving voice
2 data from a time division multiplex stream and processing
3 said data in a time division multiplex processor.
- 1 4. The method of claim 3 including determining
2 whether a refresh value associated with said processor
3 matches a refresh value associated with said frame.
- 1 5. The method of claim 4 including setting the frame
2 value equal to the processor refresh value if the values do
3 not match.
- 1 6. The method of claim 3 including filling the frame
2 with a plurality of units of voice data, from said time
3 division multiplex stream.

1 7. The method of claim 1 including filling the frame
2 with voice data from an asynchronous transfer mode
3 adaptation layer packet.

1 8. The method of claim 7 including storing the
2 packet in a unit and providing a plurality of units in a
3 frame.

1 9. The method of claim 8 including determining
2 whether the frame is full.

1 10. The method of claim 9 including determining
2 whether a timer has expired during the filling of the
3 frame.

1 11. The method of claim 9 including determining
2 whether data has been received with a connection identifier
3 that matches the connection identifier of data already
4 stored.

1 12. The method of claim 11 including using the
2 connection identifier in each unit to identify a time
3 division multiplex channel of a voice call.

1 13. The method of claim 12 including setting a
2 pointer for a time division multiplex channel to the
3 address of a payload in a unit.

1 14. The method of claim 7 including using an
2 asynchronous transfer mode adaptation layer packet
3 processor to fill the frame.

1 15. An apparatus comprising:
2 a processor; and
3 a frame database, to store pre-formatted frames,
4 said processor accessing frames from said frame database to
5 fill the frames with voice data.

1 16. The apparatus of claim 15 wherein said processor
2 is a time division multiplex processor and said frame
3 database stores pre-formatted frames so that the processor
4 can access the frames from the frame database to fill the
5 frames with voice data from time division multiplex
6 channels.

1 17. The apparatus of claim 16 wherein said processor
2 keeps a refresh count each time a call is made or
3 disconnected.

1 18. The apparatus of claim 16 wherein said processor
2 reads data from each active channel and writes data into
3 said frames.

1 19. The apparatus of claim 18 wherein said data in
2 said frame is divided into units which correspond to
3 asynchronous transfer mode packets.

1 20. The apparatus of claim 19 wherein the processor
2 sends the frame to a queue after it has been filled.

1 21. The apparatus of claim 15 wherein said processor
2 is an asynchronous transfer mode adaptation layer processor
3 that fills the frame database with voice data from an
4 asynchronous transfer mode cell stream.

1 22. The apparatus of claim 15 wherein said processor
2 is an asynchronous transfer mode adaptation layer
3 processor.

1 23. The apparatus of claim 22 wherein said apparatus
2 includes a time division multiplex processor coupled to
3 said asynchronous transfer mode adaptation layer processor.

1 24. An article comprising a medium storing
2 instructions that enable a processor-based device to:

3 obtain a pre-formatted frame; and
4 fill the frame with voice data formatted as
5 asynchronous transmission mode adaptation layer packets.

1 25. The article of claim 24 further storing
2 instructions that enable the device to receive data from a
3 time division multiplexed stream, to read data from each
4 active channel and to write data into said frames.

1 26. The article of claim 25 further storing
2 instructions that enable the processor-based device to
3 determine whether a refresh value associated with the
4 processor matches the refresh value associated with the
5 frame.

1 27. The article of claim 26 further storing
2 instructions that enable the processor-based device to set
3 the frame refresh value equal to the processor refresh
4 value if the values do not match.

1 28. The article of claim 25 further storing
2 instructions that enable the processor-based device to fill
3 the frame with a plurality of units of voice data from a
4 time division multiplex stream.

1 29. The article of claim 24 further storing
2 instructions that enable the device to receive data from an
3 asynchronous transfer mode cell stream, to read data from
4 said cells, and to place said data in a pre-formatted
5 frame.

1 30. The article of claim 29 wherein said frame is
2 provided to a time division multiplex processor that
3 injects the voice data into a time division multiplex
4 stream.